

TNS-3142

1U 19" Rack-Mount Network PC



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Full-Size/Half-Size Slot CPU Cards

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Embedded Box PC

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Network Application Computers

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Industrial PC

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HMI

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Chassis

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Accessories



Features

- Supports onboard Intel® ULV Celeron® M/ Pentium® M processor
- DDR2 400MHz, up to 2G memory
- Supports 4 x 10/100/1000Mbps
- Supports 2 x USB2.0, 4 x LED, 1 x CF, 2 x SATA

Specifications

System

Processor	Onboard ULV Intel® Celeron® M / Pentium® M processor
Chipset	Intel® 910GML + ICH6-M
Memory	DDR2 400MHz, up to 2G memory
Hardware Monitor	Monitors system status, voltage, temperature and fan speed
Watchdog Timer	Software programmable supports 1~255 sec./min. timer system reset or interrupt

Expansion Interface

Expansion Interface	1 x PCI
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Storage

IDE	N/A
Serial ATA	2 x SATA
Floppy	N/A
CF	1 x CompactFlash Socket Type II
DOC/DOM	N/A

I/O Interface

USB	2 x USB2.0 port
Serial Port	2 x RS-232, available interfaces of 1 x RJ45 and 1 x 10-pin header onboard
Parallel Port	1 x LPT
IrDA	N/A
GPIO	8 x GPIO
Audio	N/A

Display

Chipset	Intel® 910GML integrated graphics
Memory	N/A
Resolution	N/A
Dual Display	N/A

Ethernet

Chipset	RTL8111C(Bypass between Lan1 and Lan2)
Speed	4 x 100/1000Mbps
Connector	4 x RJ45

Mechanical and Environmental

Dimensions	440mm x 312mm x 44.5mm
Front Indicator	N/A
Reliability	MTBF ≥ 5000h; MTTR ≤ 0.5h
Safety	N/A
Operating Temperature	0 C~60 C
Storage Temperature	-20 C~60 C
Operating Humidity	20%~90%, 40 C non-condensing

Power

Power Supply	150W
Power Consumption	N/A

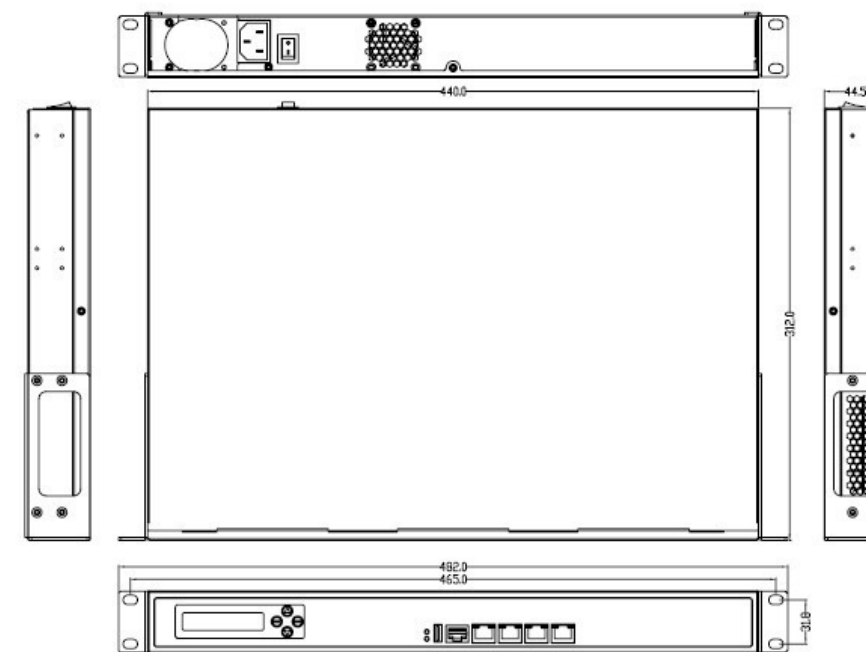
Operating System

Windows OS	Linux/ Windows
Embedded OS	N/A

Test

Vibration	5-19HZ/1.0mm amplitude; 19-200HZ/1.5g acceleration
Shock	15g acceleration, 11ms duration
EMC/EMI	GB9254-1998 Class A

Dimensions



Available Accessories

Part Number	Name	Description	Qty.
	Setup Guide	Setup Guide (for Core 8)	1
	Driver CD/Protective film	T5M-6716CD4N	1
	User Manual/Chinese and English	T5M-6716CD4N	1
2330-000011	Jumper/RoHS	Pitch: 2.0mm, black, sealed tail	4
2360-003671	AC power supply cable	Length: 1500mm/USA standard	1
2391-001161	Screw/RoHS	Hex head #6-32x1/4/MHW#6-32 x 1/4-NI	4
2391-000491	Screw/RoHS	Countersunk head M3x6/thickness 1.5mm/GB-T819-1985/nickel plating	3
2360-025501	(YF)VGA cable/RoHS	2 x 5 Pin connector(female) to DB 15 pin connector(female), length: 200mm,UL20276/	1
2360-000351	Y-cable for keyboard and mouse/RoHS	PS/2 port connector to 8 Pin (2 x 4) connector (2.0mm pitch), length: 245mm/RoHS	1
2360-018011	SATAHDD cable/RoHS	SATA-7P(female)L=300	1
2360-011221	Parallel port cable/RoHS	DB25 connector to 26 Pin (2 x13) connector (2.0mm pitch), length: 300mm/RoHS	1
2360-010011	Serial port cable/RoHS	DB9 connector to 10 Pin (2 x 5), length: 265mm/RoHS	1

Ordering Information

Part Number	Model Number	Description
0010-019760	TNS-3142B-YJ	Complete PC/oversea order: CM 1.0G/1G/1G CF card/T5M-6716CD4N(A)/150W/TNS-3142B-YJ
0010-019770	TNS-3142A-MINI-YJ	Complete PC/oversea order: CM 1.5G/1G/1G CF card/T5M-6716CD4N(A)/150W/TNS-3142A-MINI-YJ
0010-019780	TNS-3142A-YJ	Complete PC/oversea order: CM 1.5G/1G/1G CF card/T5M-6716CD4N(A)/150W/TNS-3142A-YJ
0020-037160	TNS-3142/no power/no backplane	Empty chassis/oversea order